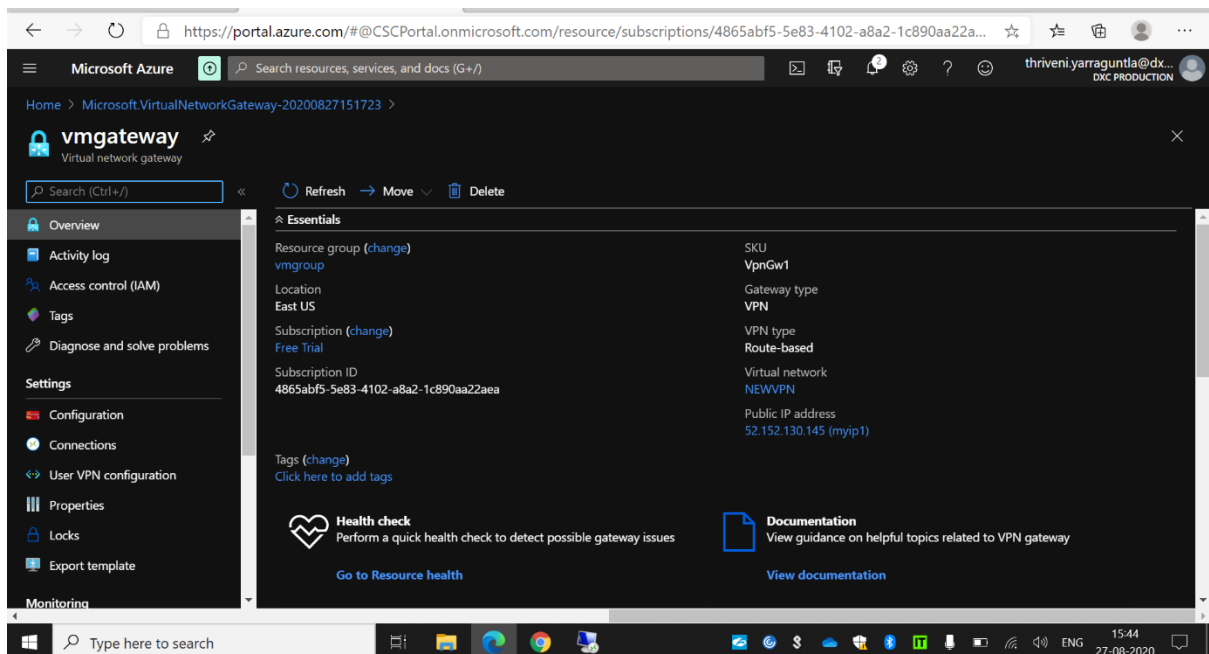
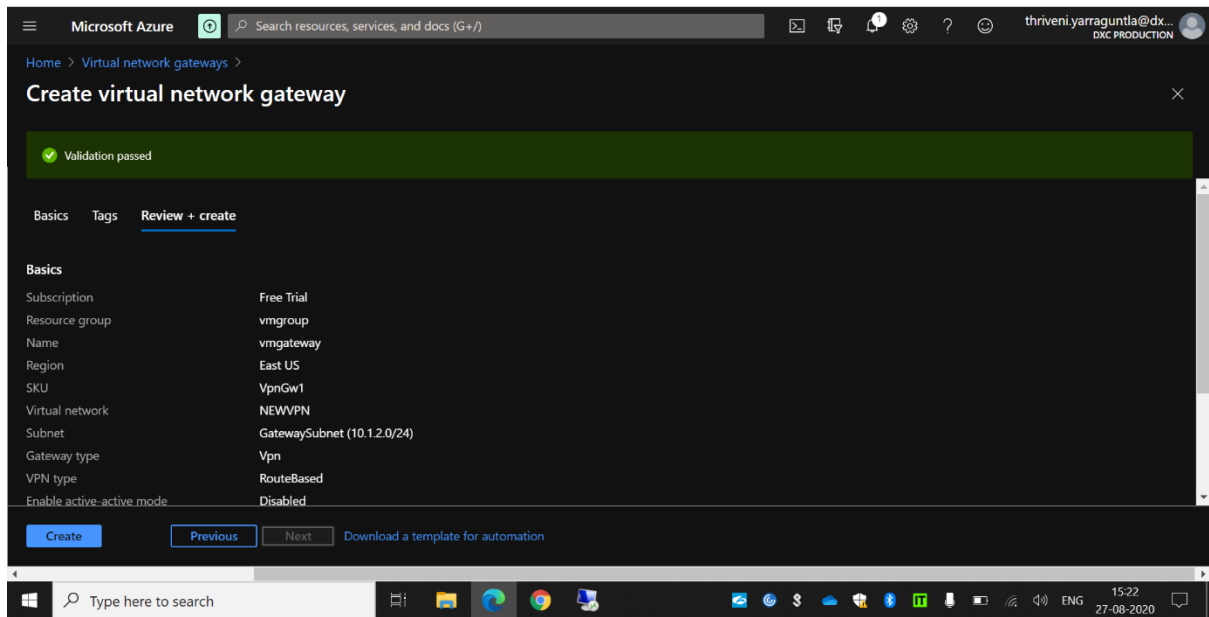
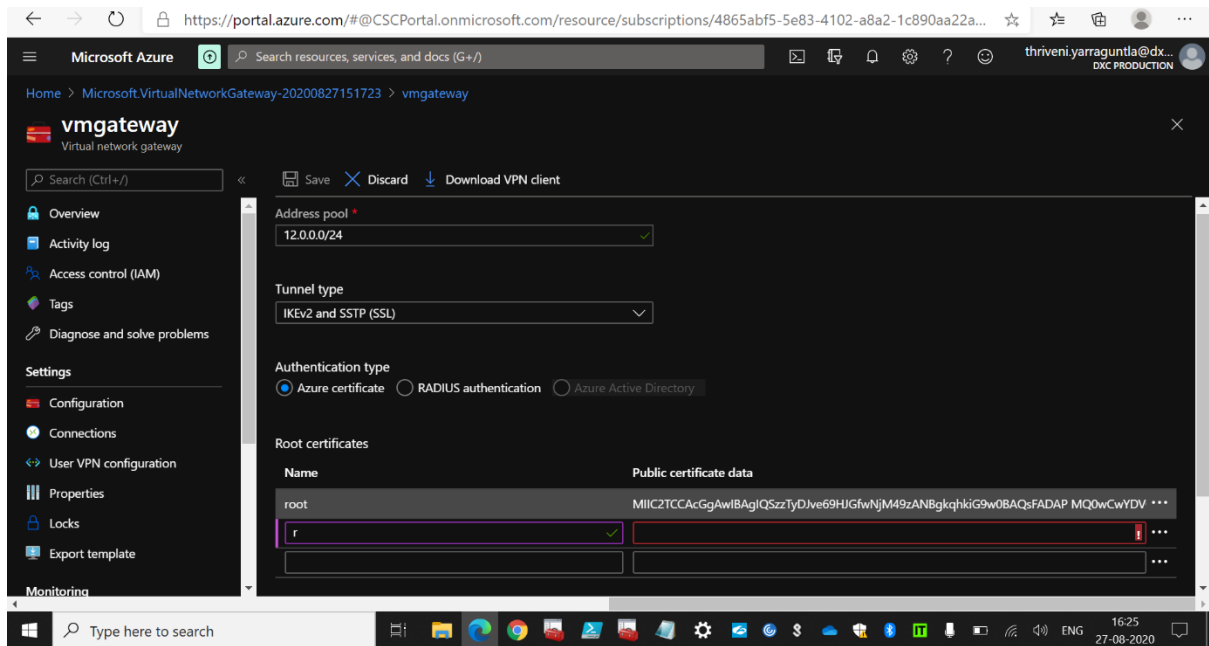


Assessment-2

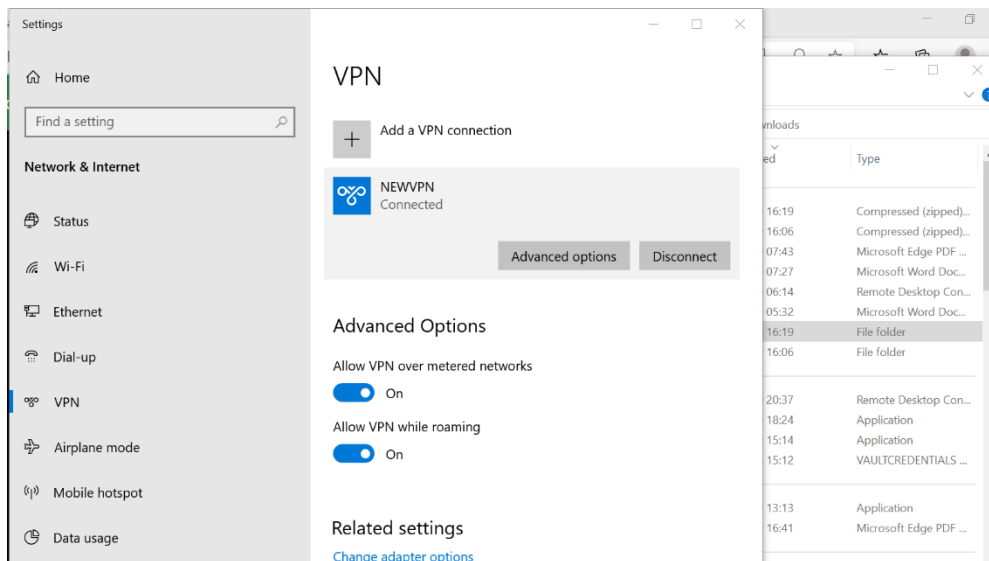
1.Create P-T-S VPN And Attact VM To It

- To create pointer to site vpn we need to create virtual network gateway.
- Here virtual network gateway is created in the east us location



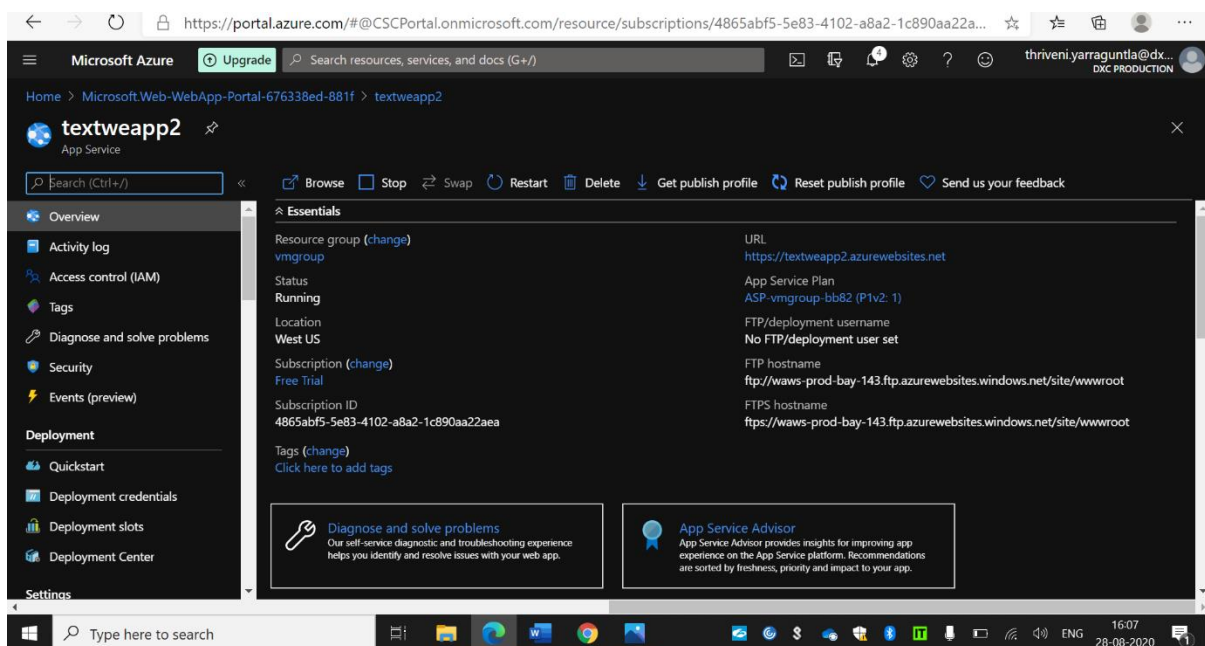
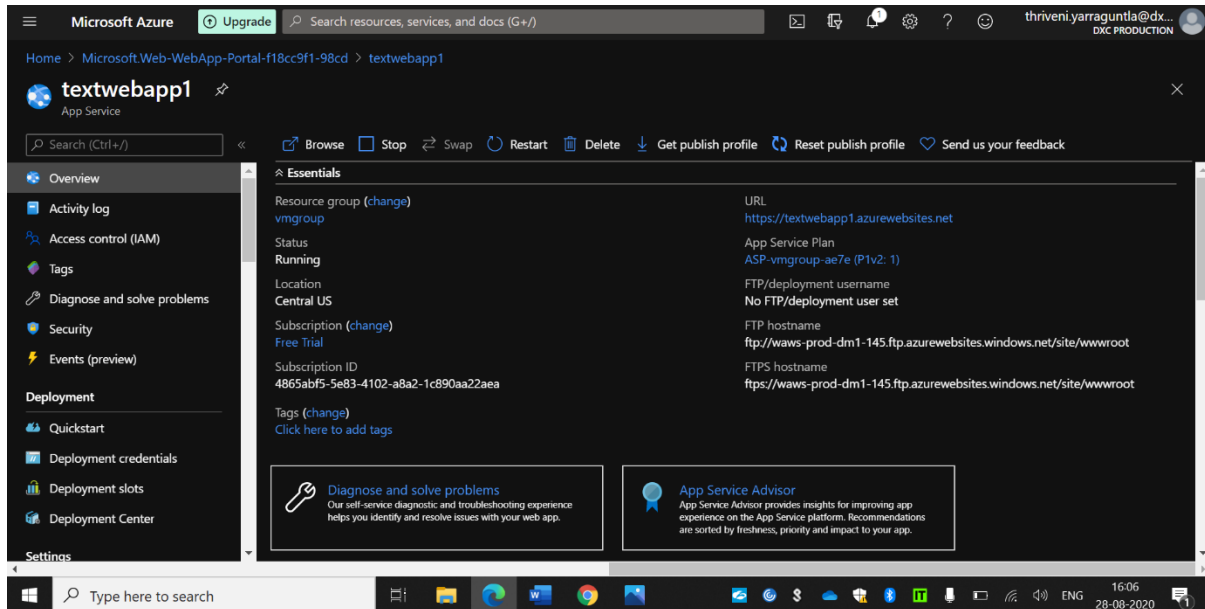


- Configure that vm gateway with root certificate and downloaded the vpn client in the virtual machine. By using that connect the NEWVPN in that virtual machine. And finally NEWVPN is connected to the virtual machine(vm1).

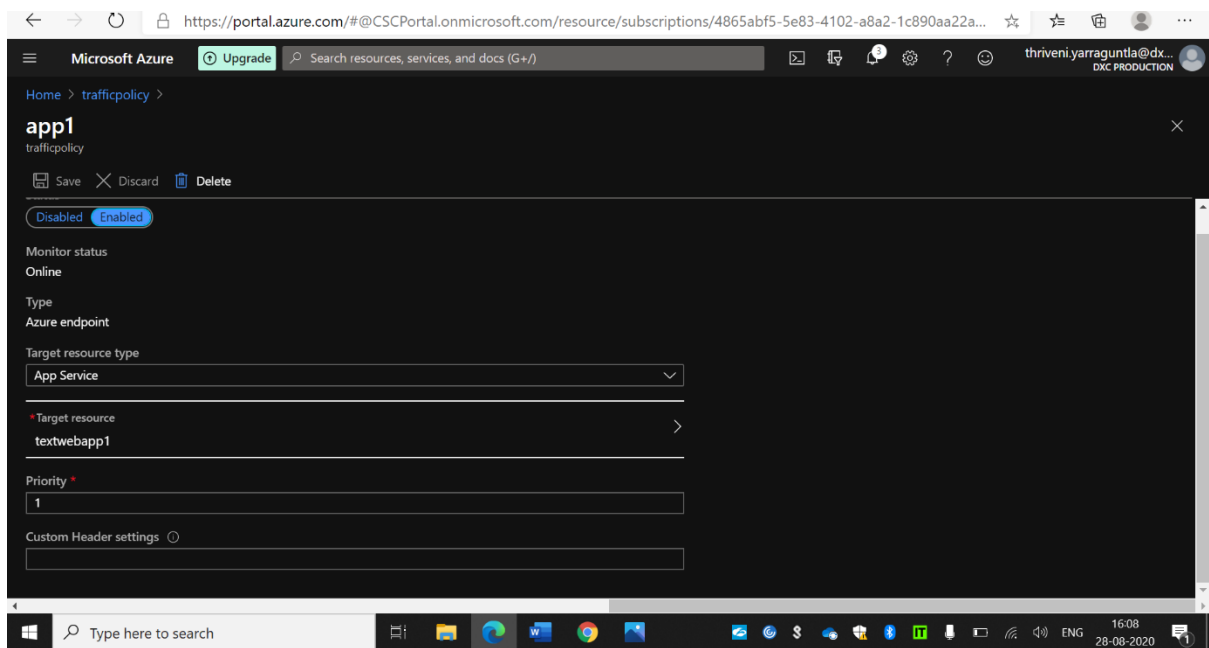
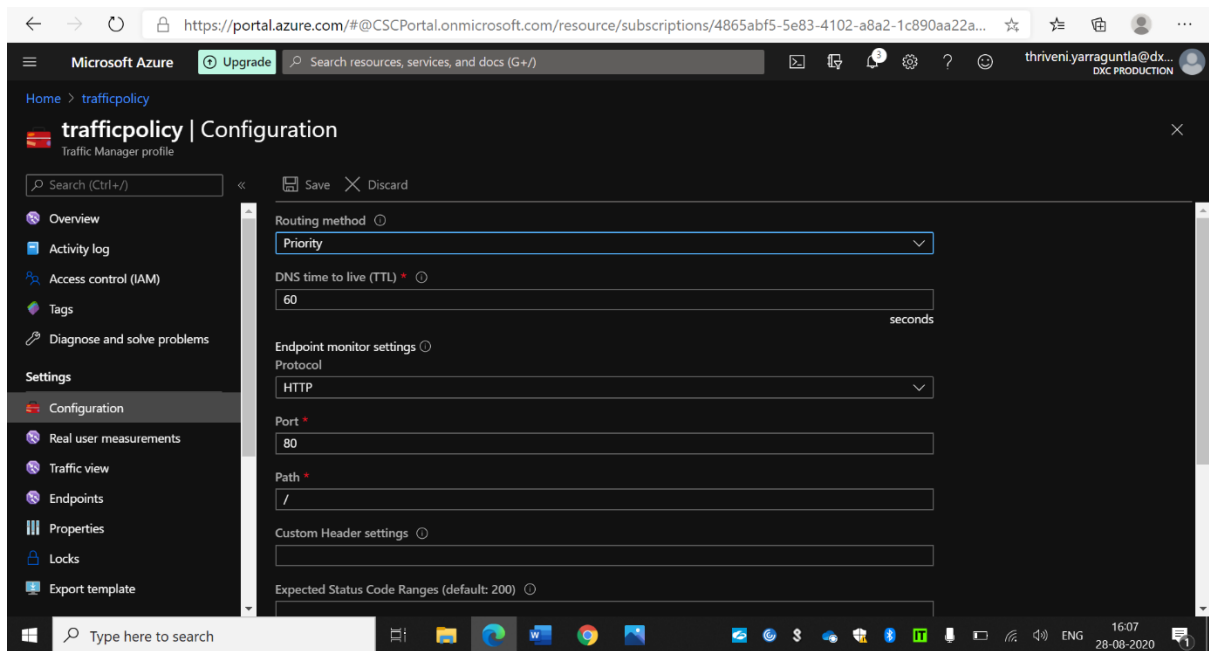


2. Create A Two Web Applications In West Us And Central Us Then Attach To The Traffic Manager With Priority Rounting Method.

- Created the web app in central US named with textwebapp1.
- Created another web app in west US named with textweapp2.



- Create a traffic manger and configured with priority routing method.



- In the endpoints add the two web apps which we are already created and added them with the name app1 and app2 name.
- Finally those web apps are added with priority routing method.

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > trafficpolicy >

app2

trafficpolicy

Save Discard Delete

Status
Disabled Enabled

Monitor status
Online

Type
Azure endpoint

Target resource type
App Service

*Target resource
textweapp2

Priority *
2

Custom Header settings

Type here to search

16:08 28-08-2020

https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/4865abf5-5e83-4102-a8a2-1c890aa22a...

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > trafficpolicy

trafficpolicy | Endpoints

Traffic Manager profile

Search (Ctrl+/) Add Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Real user measurements

Traffic view

Endpoints

Properties

Locks

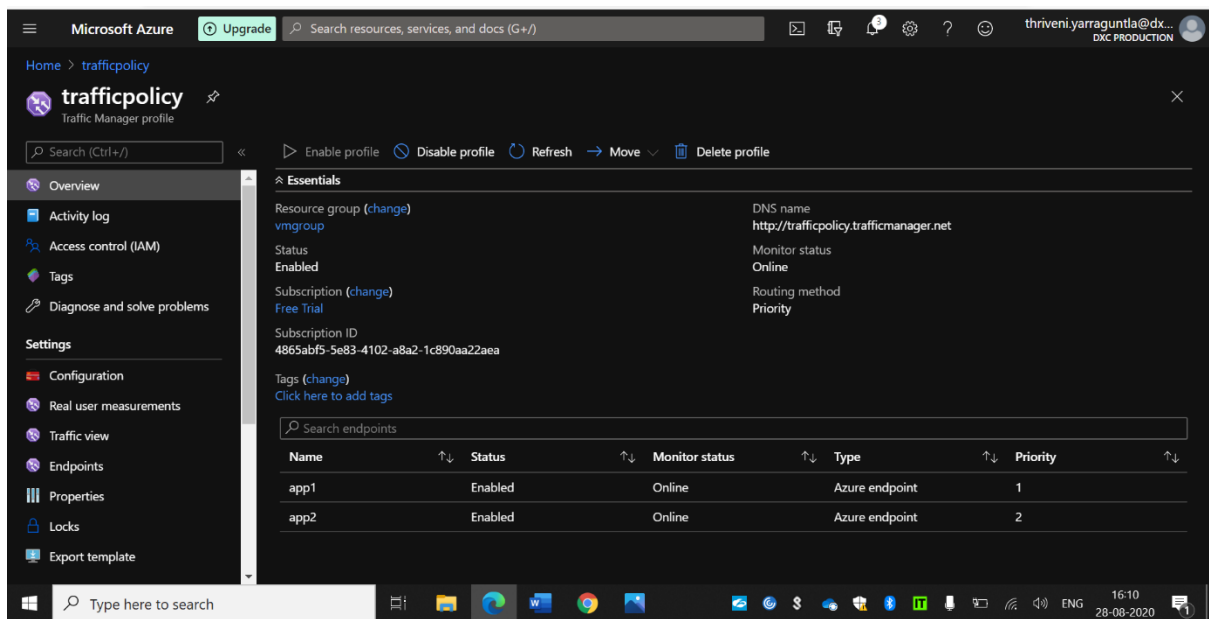
Export template

Search endpoints

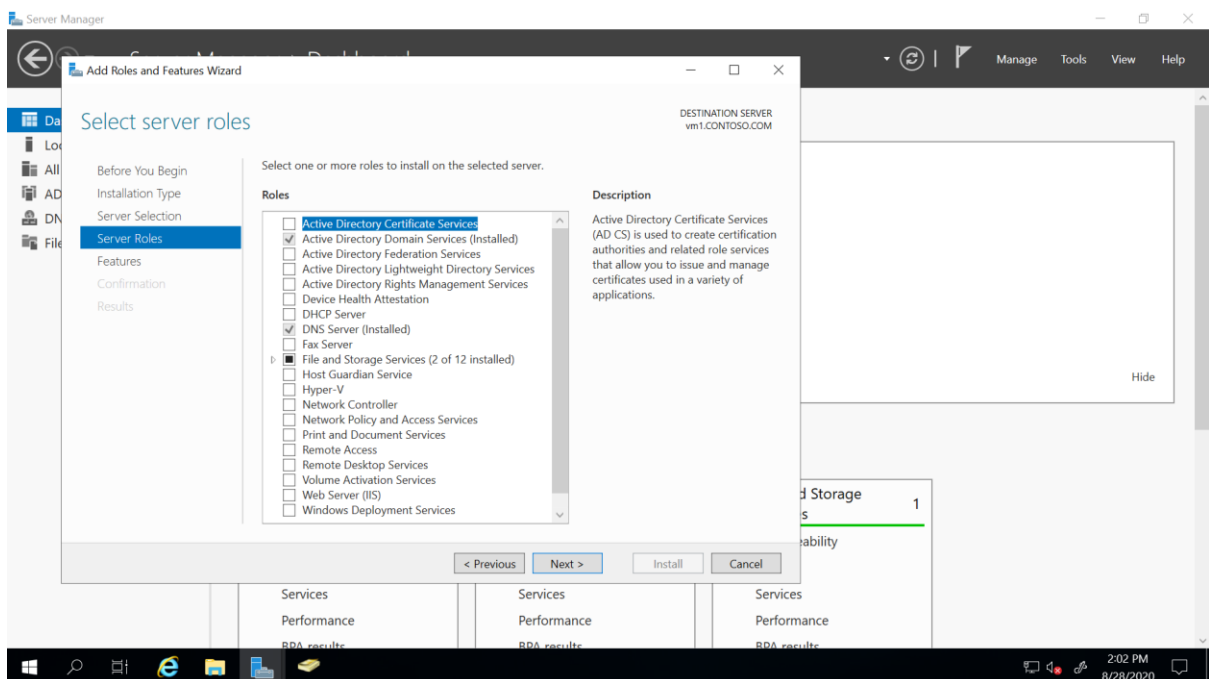
Name	Status	Monitor status	Type	Priority
app1	Enabled	Online	Azure endpoint	1
app2	Enabled	Online	Azure endpoint	2

Type here to search

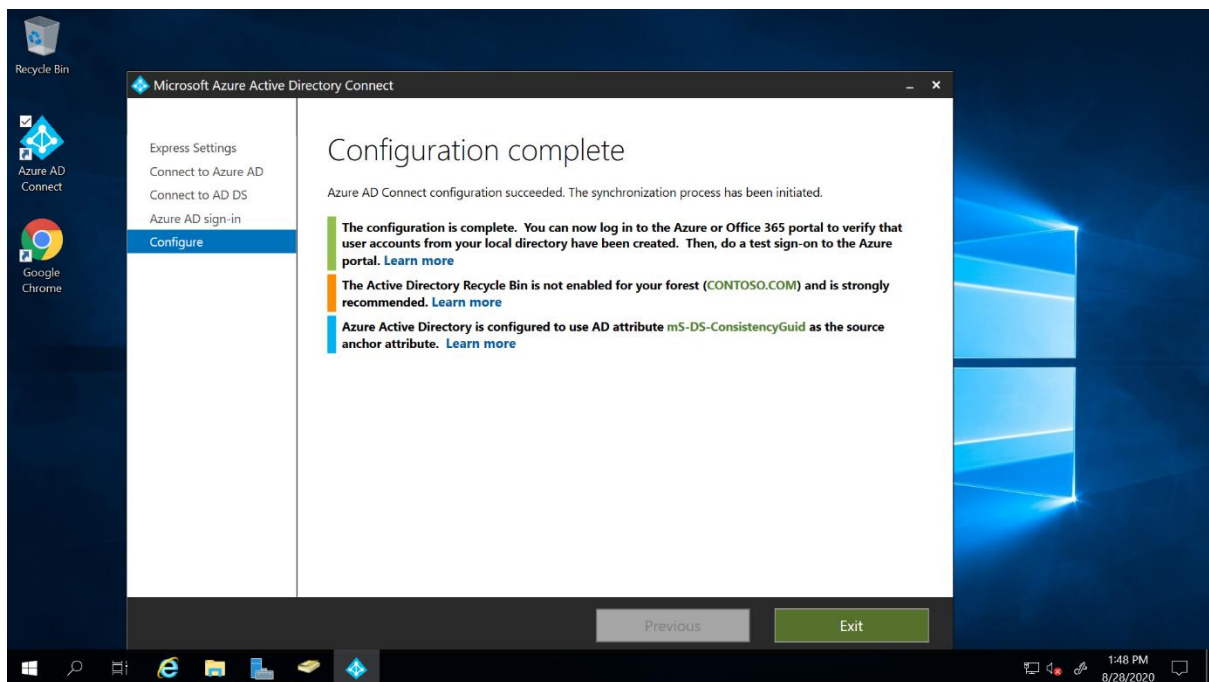
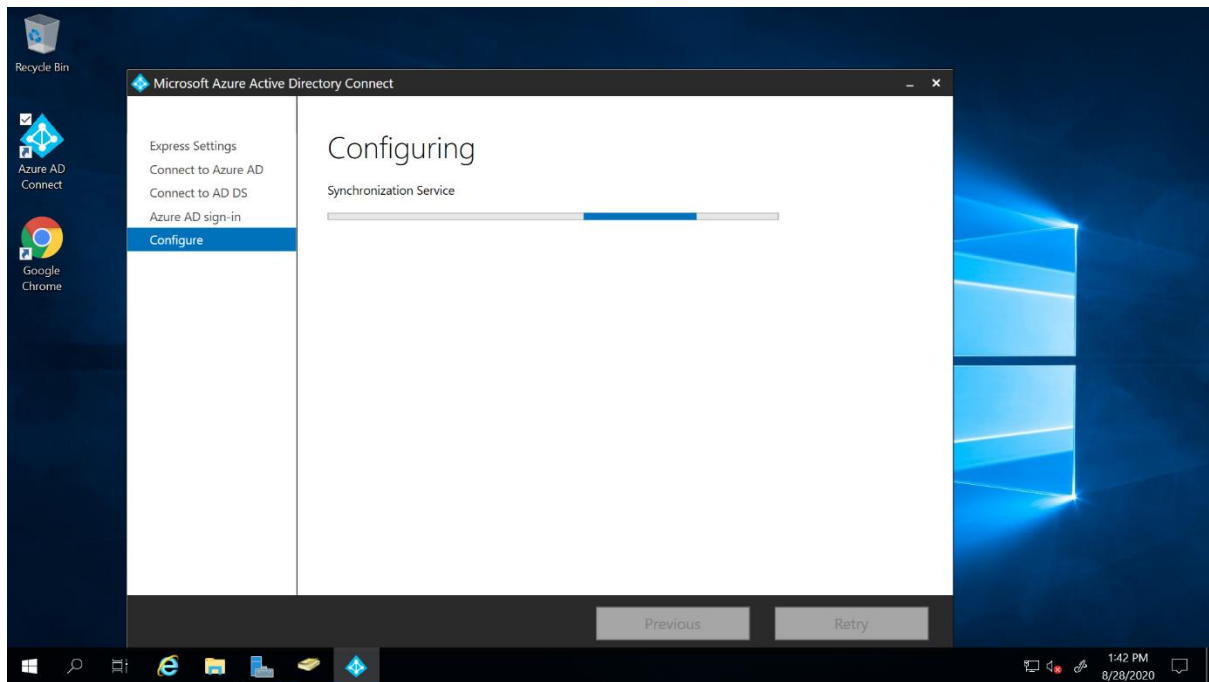
16:09 28-08-2020



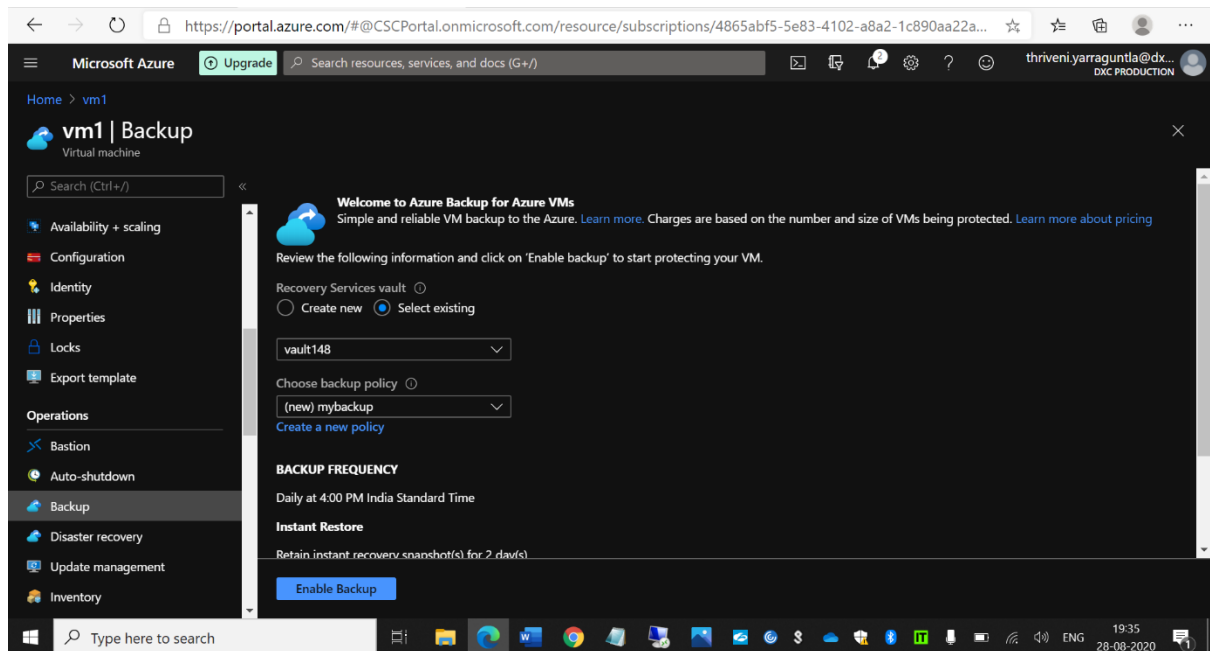
3.Create A Windows Server With AD Installed And Integrate With Azure AD



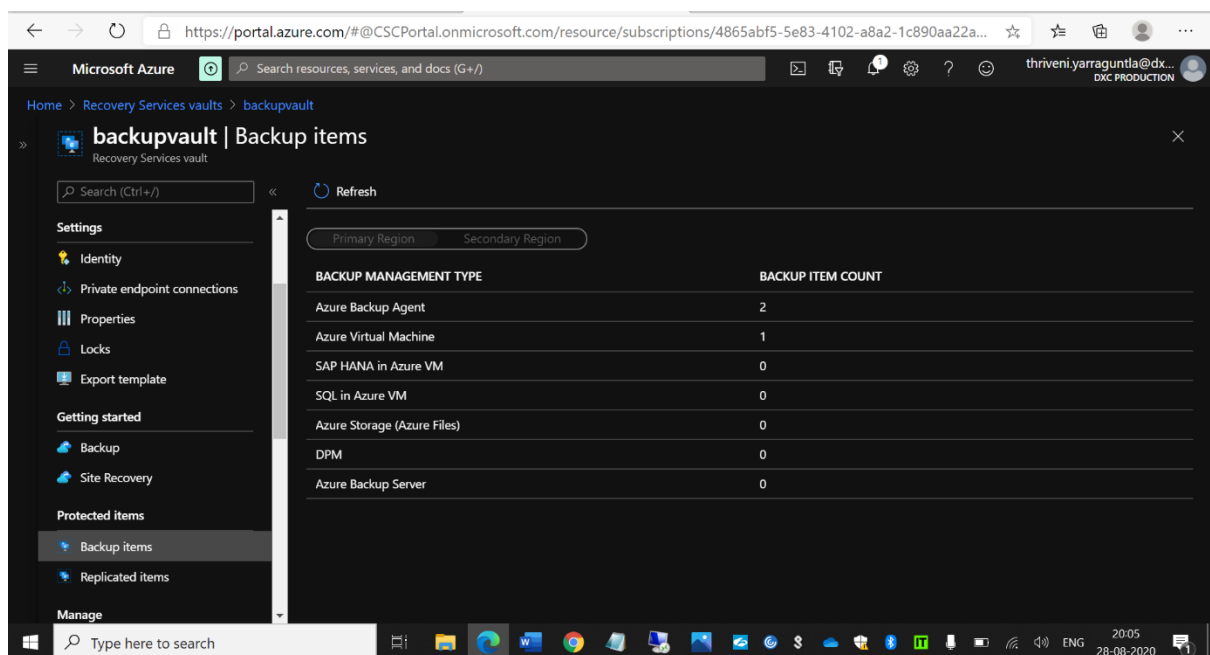
- Active Directory (AD) Role is Assigned to a Server in order to maintain and access the on premises networks.
- Install the active directory services in the server.
- After that configuring the directory services to azure active directory connect.



4.Configure A Backup To The VM You Installed AD



- Backup is done for the existing vm with AD (vm1) in to recovery service vault.



Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > vm1

vm1 | Backup

Virtual machine

Search (Ctrl+/)

Backup now | Restore VM | File Recovery | Stop backup | Resume backup | Delete backup data | Restore to Secondary Region

Alerts and Jobs

[View all Alerts](#) (last 24 hours)
[View all Jobs](#) (last 24 hours)

Backup status

Backup Pre-Check: Passed
Last backup status: Warning(initial backup pending)

Summary

Recovery services vault: [vault148](#)
Backup policy: [mybackup](#)
Oldest restore point: -

Restore points

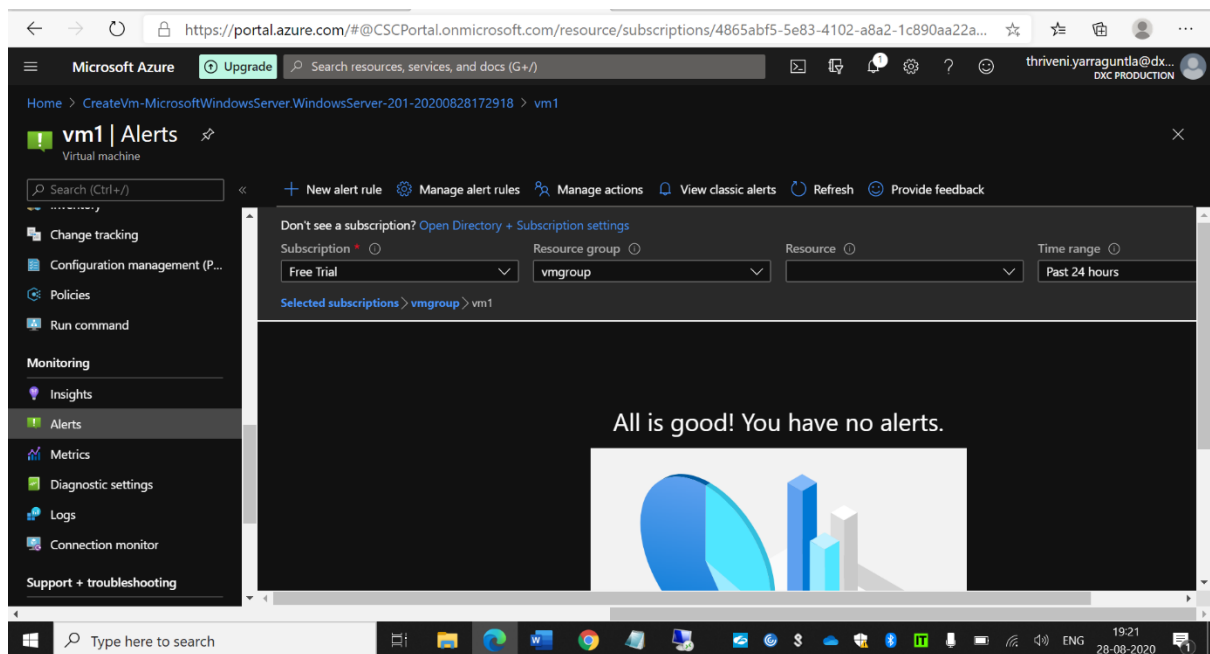
This list is filtered for last 30 days of restore points. To recover from restore point older than 30 days, [click here](#).

Time	Consistency	Recovery Type
No restore points available.		

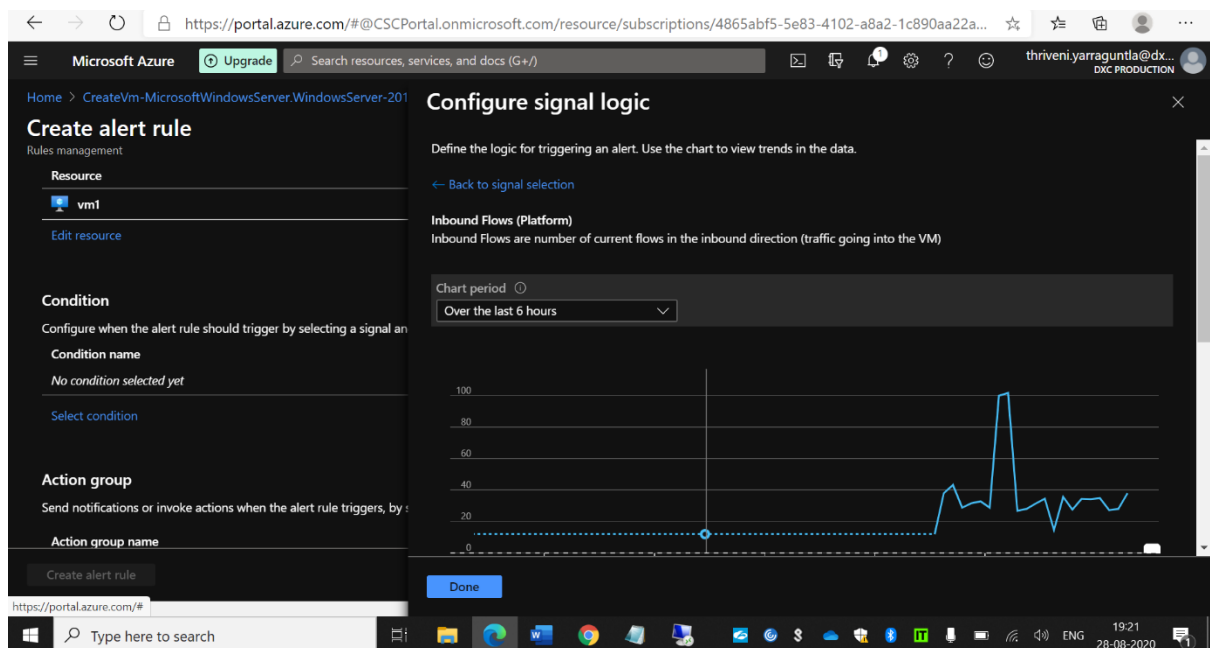
CRASH CONSISTENT: 0 | APPLICATION CONSISTENT: 0 | FILE SYSTEM CONSISTENT: 0

➤ After that configured the backup in the vault.

5.Configure Alerts For The VM



- Configuring the alerts for the vm which already created.
- A new Alert Rule is to be created for the Virtual Machine with an Alert condition logic



- Configure condition for the alerts
- Configure action group for alerts

Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201

Create alert rule

Rules management

Resource

vm1

[Edit resource](#)

Condition

Configure when the alert rule should trigger by selecting a signal and condition.

Condition name

No condition selected yet

[Select condition](#)

Action group

Send notifications or invoke actions when the alert rule triggers, by selecting an action group.

Action group name

[Create alert rule](#)

Configure signal logic

Inbound vm1 37.8 thresholds for you and adapts to changes. Click the Dynamic button to explore.

[Got it](#) [How does it work?](#)

Threshold

Static Dynamic

Operator

Greater than

Aggregation type *

Average

Threshold value *

1 count

Condition preview

Whenever the average inbound flows is greater than 1 count

Evaluated based on

Aggregation granularity (Period) *

5 minutes

Frequency of evaluation

Every 1 Minute

[Done](#)

Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201

Create alert rule

Rules management

Action group

Send notifications or invoke actions when the alert rule triggers, by selecting an action group.

Action group name

No action group selected yet

[Select action group](#)

Alert rule details

Provide details on your alert rule so that you can identify and manage it.

Alert rule name *

Specify the alert rule name

Description

Specify the alert rule description

[Create alert rule](#)

Select an action group to attach to this alert rule

The action group selected will attach to this alert rule

[+ Create action group](#)

Subscription

Free Trial

Action group name	Contain actions
<input checked="" type="checkbox"/> action	1 Automation Runbook, 1 Email Azure Resource Manager Role

[Select](#)

➤ Then create an alert rule based upon our need.

Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20200828172918 > vm1 >

Create alert rule

Rules management

Condition

Configure when the alert rule should trigger by selecting a signal and defining its logic.

Condition name	Time series monitored	Estimated monthly cost (USD)
✓ Whenever the average inbound flows is greater than 1 count	1	\$ 0.10
Select condition	1	Total \$ 0.10

Action group

Send notifications or invoke actions when the alert rule triggers, by selecting or creating a new action group. [Learn more](#)

Action group name	Contains actions
action	1 Automation Runbook, 1 Email Azure Resource Manager Role
Select action group	

Create alert rule

6. Apply Any Security Policy To The Subscription

Microsoft Azure | Search resources, services, and docs (G+)

Home > Security Center > Security policy > Add custom initiatives >

Initiative definition

New Initiative definition

BASICS

Definition location *

Free Trial

Name *

mybackup

Description

backup for vm1

Category

☐ Create new ☒ Use existing

Backup

Save Cancel

AVAILABLE DEFINITIONS

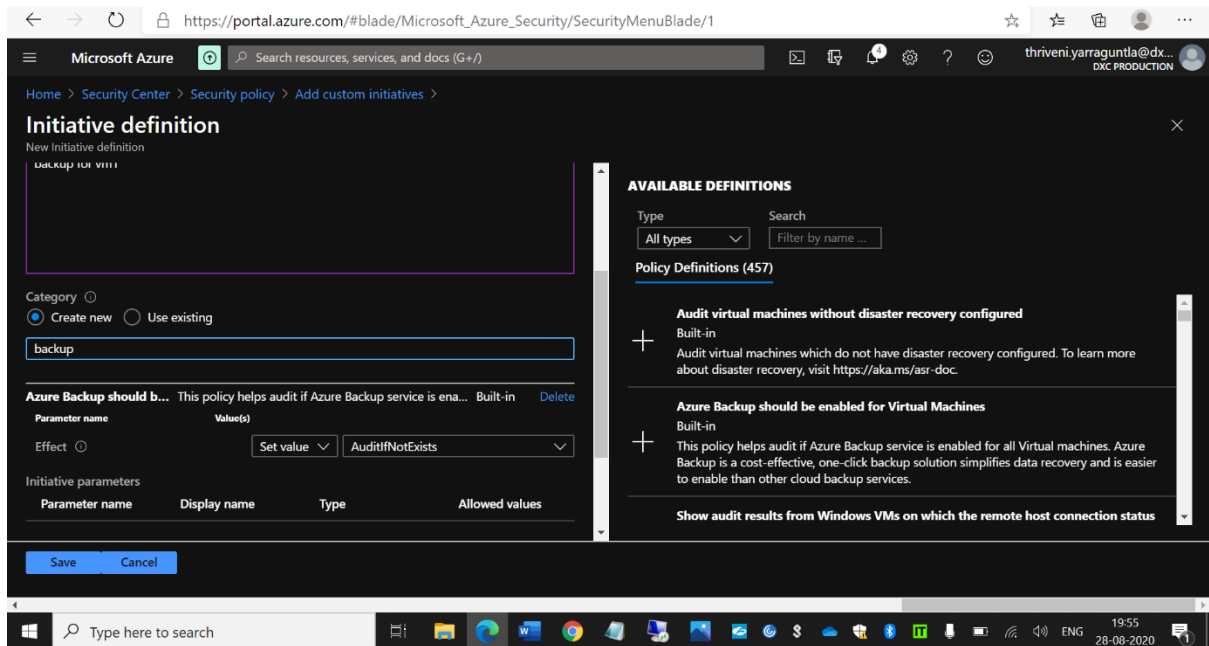
Type Search

All types Filter by name ...

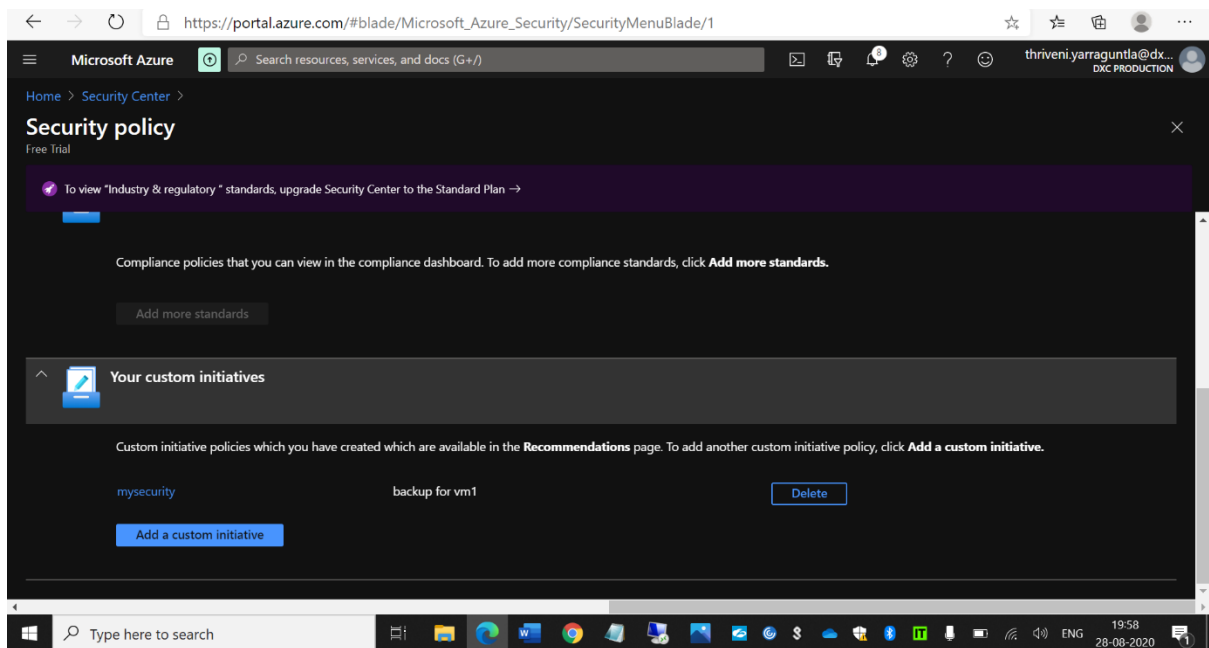
Policy Definitions (457)

- Audit virtual machines without disaster recovery configured**
Built-in
Audit virtual machines which do not have disaster recovery configured. To learn more about disaster recovery, visit <https://aka.ms/asr-doc>.
- Azure Backup should be enabled for Virtual Machines**
Built-in
This policy helps audit if Azure Backup service is enabled for all Virtual machines. Azure Backup is a cost-effective, one-click backup solution simplifies data recovery and is easier to enable than other cloud backup services.
- Show audit results from Windows VMs on which the remote host connection status**

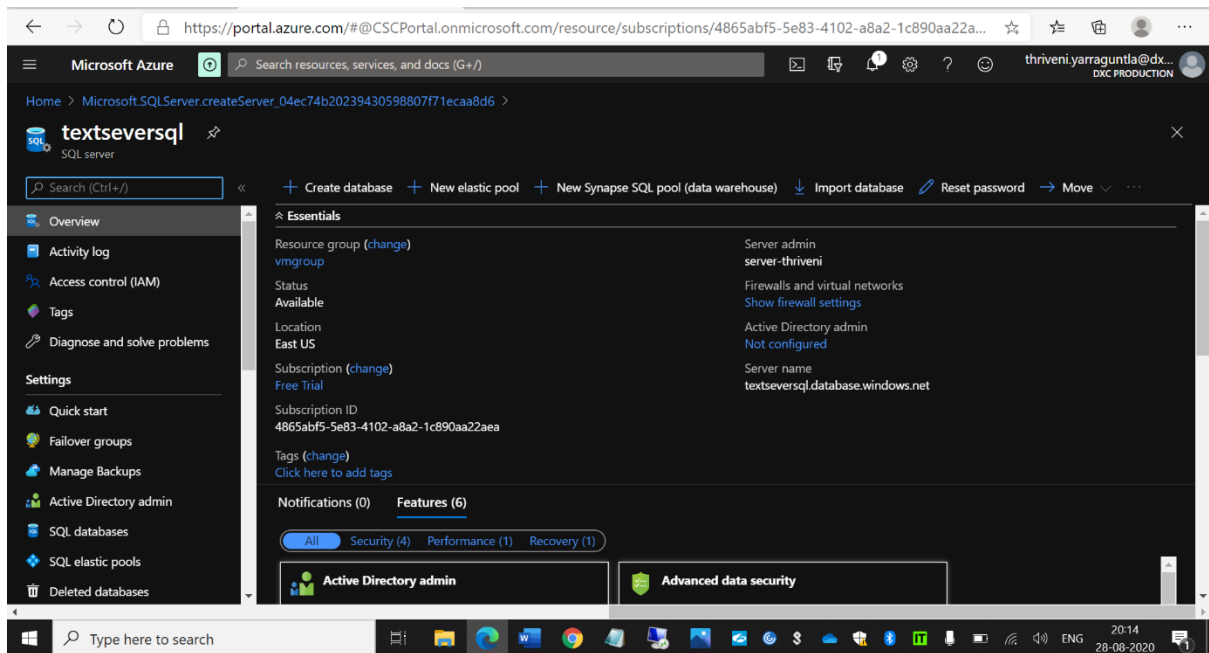
- To apply the security policy we need to access the security center in azure and specify the subscription
- A custom Initiative is to be added in that policy.



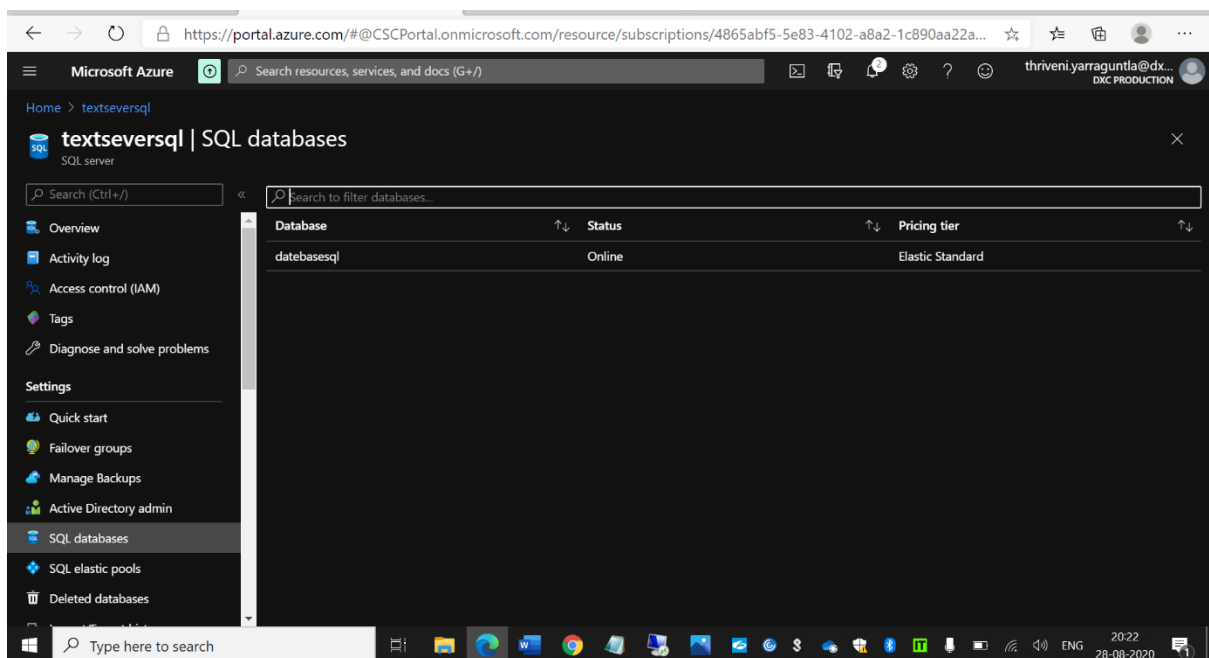
- Adding custom initiative to that.
- Then the security policy is added to the subscription.



7.Create A SQL Server With Database Installed In The Elastic Pool



- In order to create a SQL data base, we need a SQL Server up and running
- Once the SQL Server is created, we can create SQL Database in the server



- Finally a SQL server with data base installed in the elasticpool.

